Controller 1

Controller 2

xDSL

25

21

Receiver/xmtr 11

12

Receiver/xmtr

22

xDSL

Switch 30

Processor 31

Fig.1

2|4

Figure 2 Ⓑ

201 — Count Number of Cross-Talk
Units From ADSL Lines
at Full Rate

203 — Count Number of Cross-Talk
Units From ADSL Lines
at Partial Rate

205 — Count Number of Cross-Talk
Units From ADSL Lines
At Keep-Alive Rate

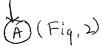207 — Count Number of Cross-Talk
Units From SDSL Lines At
Full Rate

209 — Count Number of Cross-Talk
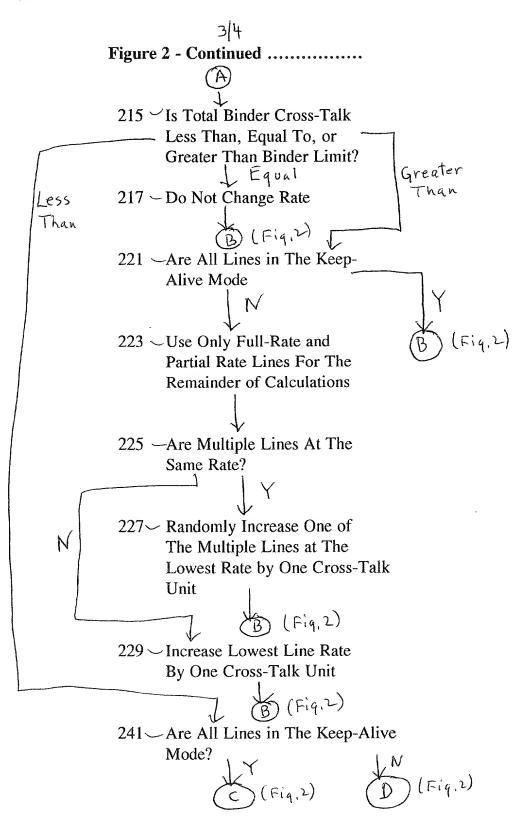Units From SDSL Lines
At Partial Rate

211 — Count Number of Cross-Talk
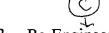Units From SDSL Lines
At Keep-Alive Rate

213 — Total Binder Cross-Talk Units
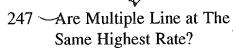From Lines in Each of The
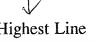Above 6 Line Types

Ⓐ (Fig. 2)

3/4

Figure 2 - Continued ....

Ⓐ

215 ⌣ Is Total Binder Cross-Talk
Less Than, Equal To, or
Greater Than Binder Limit?

Equal

217 — Do Not Change Rate

Ⓑ (Fig. 2)

Less
Than

Greater
Than

221 —Are All Lines in The Keep-
Alive Mode

N

Y

223 ⌣ Use Only Full-Rate and
Partial Rate Lines For The
Remainder of Calculations

Ⓑ (Fig. 2)

225 —Are Multiple Lines At The
Same Rate?

Y

N

227 ⌣ Randomly Increase One of
The Multiple Lines at The
Lowest Rate by One Cross-Talk
Unit

Ⓑ (Fig. 2)

229 ⌣ Increase Lowest Line Rate
By One Cross-Talk Unit

Ⓑ (Fig. 2)

241 ⌣ Are All Lines in The Keep-Alive
Mode?

Y

N

Ⓒ (Fig. 2)

Ⓓ (Fig. 2)

4|4

Figure 2 - Continued ....

Ⓒ

243 — Re-Engineer Network

Ⓓ   Ⓑ (Fig. 2)

245 — Use Only Full-Rate and
Partial Rate Lines For
Remainder of Calculations

247 — Are Multiple Line at The
Same Highest Rate?

Y

249 — Decrease One of The Multiple
Lines at The Highest Rate
By One Cross-Talk Unit

N

251 — Decrease The Highest Line
Rate By One Cross-Talk Unit